

WINTER MODELING

A SPECIAL EDITION:

Vincenzo Barone and his 70th birthday

10-11 November 2022



SSM
Scuola Superiore Meridionale

An international workshop in honor of Prof. Vincenzo Barone on the occasion of his 70th birthday

Conference Center of the University of Naples Federico II (Lecture Hall A) – Via Partenope 36, Naples

WELCOME AND INTRODUCTION

PROF. MATTEO LORITO – RECTOR, UNIVERSITÀ DEGLI STUDI DI NAPOLI FEDERICO II

PROF. LUIGI AMBROSIO – DIRECTOR, SCUOLA NORMALE SUPERIORE

PROF. ARTURO DE VIVO – GOVERNANCE, SCUOLA SUPERIORE MERIDIONALE

INVITED SPEAKERS

Carlo Adamo (Laudatio) École Nationale Supérieure de Chimie de Paris (France)

José Luis Alonso Universidad de Valladolid (Spain)

Malgorzata Biczysko University of Shanghai (China)

Julien Bloino Scuola Normale Superiore (Italy)

Alessandro Fortunelli Consiglio Nazionale delle Ricerche (Italy)

Laura Gagliardi University of Chicago (USA)

Claudio Greco Università degli Studi Milano-Bicocca (Italy)

Marco Pagliai Università degli Studi di Firenze (Italy)

Michele Pavone Università degli Studi di Napoli Federico II (Italy)

Nino Russo Università della Calabria (Italy)

Mauro Stener Università degli Studi di Trieste (Italy)

Scientific & Organizing Committee

Nadia Rega (chair)

(Università degli Studi di Napoli Federico II)

Cristina Puzzarini (chair)

(Alma Mater Studiorum Università di Bologna)

Marco Mendolicchio

(Scuola Superiore Meridionale)

Scientific Secretary - Contact

Marinella Rotondo

(Associazione Le Minerve)

JUNIOR SCIENTISTS

Silvia Alessandrini Alma Mater Studiorum Università di Bologna (Italy)

Federico Lazzari Scuola Normale Superiore, Pisa (Italy)

Fulvio Perrella Scuola Superiore Meridionale, Napoli (Italy)

VINCENZO BARONE HAS MADE FUNDAMENTAL CONTRIBUTIONS TO THE UNDERSTANDING OF COMPLEX MOLECULAR SPECTRA, FROM THE GAS PHASE TO THE CONDENSED PHASE, FROM SMALL SEMI-RIGID MOLECULES TO LARGE FLEXIBLE SYSTEMS. AIMING AT THE DISENTANGLEMENT OF THE DIFFERENT EFFECTS CONTRIBUTING TO THE OVERALL SPECTRUM, HE HAS ALWAYS SUPPORTED THE SYNERGISTIC INTERPLAY OF EXPERIMENT AND COMPUTATION. THE MOST SIGNIFICANT CONTRIBUTIONS OF VINCENZO BARONE HAVE BEEN IN DENSITY FUNCTIONAL THEORY, SOLVENT EFFECTS, AND VIBRATIONAL MODULATION OF DIFFERENT SPECTRA.



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